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AFOSR-TR. 88-0549



Missoula, Montana 59812

December 3, 1987

H. R. Haraldsen Contracting Officer AFSOR/PKD Building 410 Bolling AFB Washington, D.C. 20332-6448

CONTRACTOR DESCRIPTION OF THE PROPERTY OF THE

re: grant #AFSOR-87-0025

This letter is the required final report for grant #AFSOR-87-0025. The following equipment, in the categories of the original contract, is currently operational in the lab:

Α.	Sun Microsystems 3/110 workstation with supporting software and manuals. This includes a floating point accelerator, modem and 0.25" tape drive:	\$25 , 939
	Compatible Sun Laserwriter and Hewlett Packard color-dot printer:	\$7,688
В.	Summagraphics 42" x 60" Microgrid II digitizing table and microcomputer interface:	\$7,840
С.	Schonstedt SSM-2A spinner magnetometer:	\$32,234
	Advance Magnetics magnetic shield assemblies:	\$3,646
	Schonstedt DM-2220 digital magnetometer:	\$2,881
D.	10 kiloGauss Alpha Scientific electromagnet including the matched reversible power supply:	\$7,730
Ε.	Bartington Instruments digital magnetic susceptibility meter:	\$3,985

TOTAL Expenditure from grant and matching funds: \$91,943 AFSOR provided \$82,855 with grantee cost share of \$9,088.

The only significant change to this equipment list from the original grant list is the purchase of a Sun Microsystems 3/110 workstation in place of a DEC VAXstation II. This swap was after investigation of the current market and consultaion with our computer center. The Sun Microsystem computer is, simply, a lot more computer for the money and a better tool with which to pursue the specified research. The change in workstations caused a little bit of reorganization in the software and digitizing budget lines but all the acquired equipment easily meets or exceeds the sepcifications of the equipment specified in the grant proposal.

The equipment is now in a phase of beta-testing with a research project on the edge of the Idaho Batholith, a major crustal structure in western Montana described in the original research proposal. This project should be concluded in the next several months. The subsequent project will be an investigation of another major crustal structure described in the original grant proposal, the Purcell Anticlinorium. Currently, I have an NSF supported project investigating the magnetic properties of some volcanic rocks which outcrop near the crest of the anticlinorium.

Sincerely,

Steven D. Sheriff

SDS/me

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